

Art Unit: 1600

CLAIM'S PTO

GJT

CLAIM 1 TWICE AMENDED

1. (Twice Amended) An isolated nucleic acid molecule which encodes a RAC3 protein, comprising a nucleotide sequence at least 90% identical to the nucleotide sequence of SEQ ID NO:1, wherein said RAC3 protein interacts with and activates an AF-2 domain-containing steroid/nuclear receptor.

CLAIM 2 PREVIOUSLY AMENDED

2. (Amended) The isolated nucleic acid molecule of claim 1 comprising the coding sequence of SEQ ID NO:1[, or a complement thereof].

CLAIMS 3 AND 4 ARE CANCELLED

CLAIM 5 IS PREVIOUSLY AMENDED

5. (Amended) The isolated nucleic acid molecule of claim 1 comprising the nucleotide sequence of SEQ ID NO:1 [or a complement thereof].

CLAIMS 6 AND 7 ARE CANCELLED

CLAIM 8 IS PREVIOUSLY AMENDED

8. (Amended) An isolated nucleic acid molecule comprising a nucleotide sequence encoding a protein which comprises an amino acid sequence [at least about 70% homologous] which is substantially identical to the amino acid sequence of SEQ ID NO:2.

CLAIM 9 IS ORGINAL

9. An isolated nucleic acid molecule comprising a nucleotide sequence
30 encoding a protein which comprises the amino acid sequence of SEQ ID NO:2.

CLAIM 10 TWICE AMENDED

10. (Twice Amended) An isolated nucleic acid molecule encoding a RAC3 protein comprising a nucleotide sequence which hybridizes under hybridization conditions of hybridization in 50% formamide at 42°C followed by washing in 1XSSC/0.1%SDS at 65°C to a nucleic acid molecule which is the complementary sequence of SEQ ID NO:1, wherein said RAC3 protein interacts with and activates an AF-2 domain-containing steroid/nuclear receptor.

CLAIMS 11-13 ARE CANCELLED

CLAIMS 14-18 ARE ORGINAL

14. A vector comprising the nucleic acid molecule of claim 1.

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15. The vector of claim 14, which is a recombinant expression vector.

16. A host cell containing the vector of claim 15.

17. A method for producing RAC3 protein comprising culturing the host cell of claim 16 in a suitable medium until RAC3 protein is produced.

18. The method of claim 17, further comprising isolating RAC3 protein from the medium or the host cell.

CLAIMS 19-41 ARE CANCELLED

CLAIM 42 IS AMENDED

42. (Amended) An isolated nucleic acid molecule at least 200 nucleotides in length which encodes a RAC3 N-terminal steroid receptor interacting domain comprising amino acids 613 to 752 of SEQ ID NO:2.

CLAIM 43 IS CANCELLED

CLAIM 44 IS AMENDED

44. (Amended) An isolated nucleic acid molecule at least 200 nucleotides in length which encodes a RAC3 C-terminal transactivating domain comprising amino acids 1017 to 1179 of SEQ ID NO:2.

CLAIMS 44-48 ARE CANCELLED